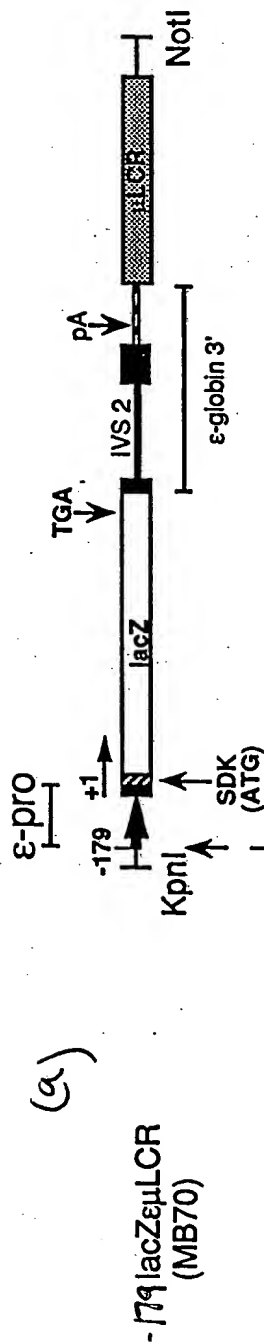


(a)



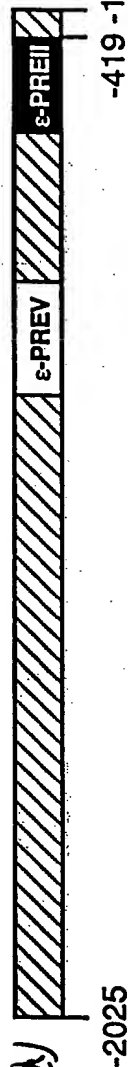
-849lacZεμLCR (b)
(MB73)



ε-PRE(II+V)lacZεμLCR(c)
(MB72)



-2kblacZεμLCR (d)
(MB92)

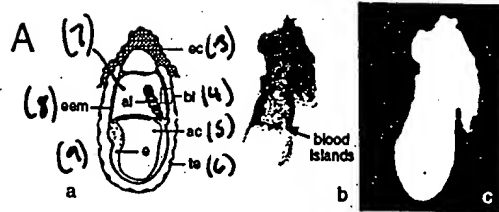


ε-LCR Expression Cassettes

Best Available Copy

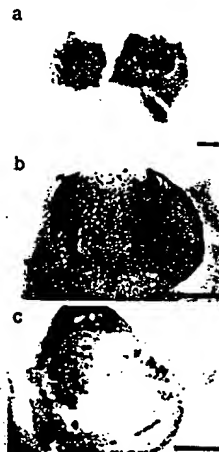
Fig 1

Figure



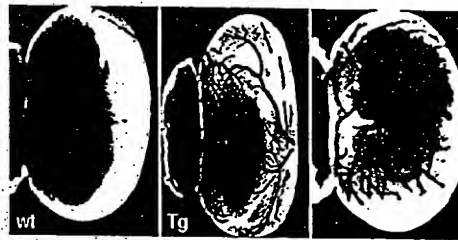
7.5 dpc mouse embryo

B



8.5 dpc mouse embryo

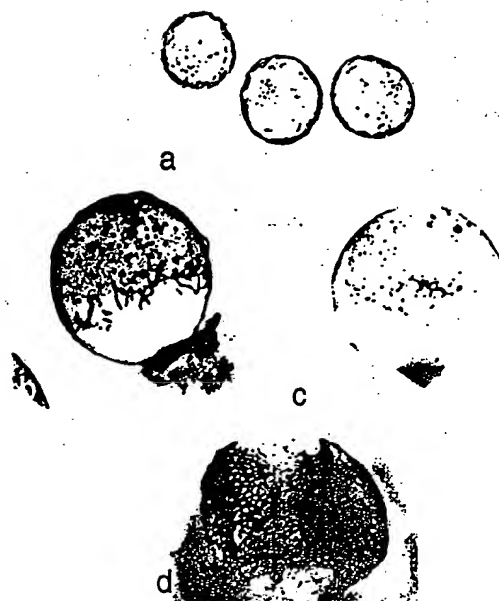
C



12.5 dpc embryos

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Fig 3



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Fig 4

Erythroid differentiation occurs
only in blastocysts that have
developed into sac-like structures

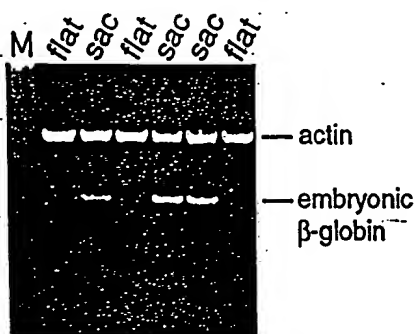


Fig 5

**Primitive erythropoiesis initiates
late in gastrulation**



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Fig 6

Enriched expression of *Gli* and *patched* in yolk sac mesoderm points to mesoderm as target of hedgehog signaling

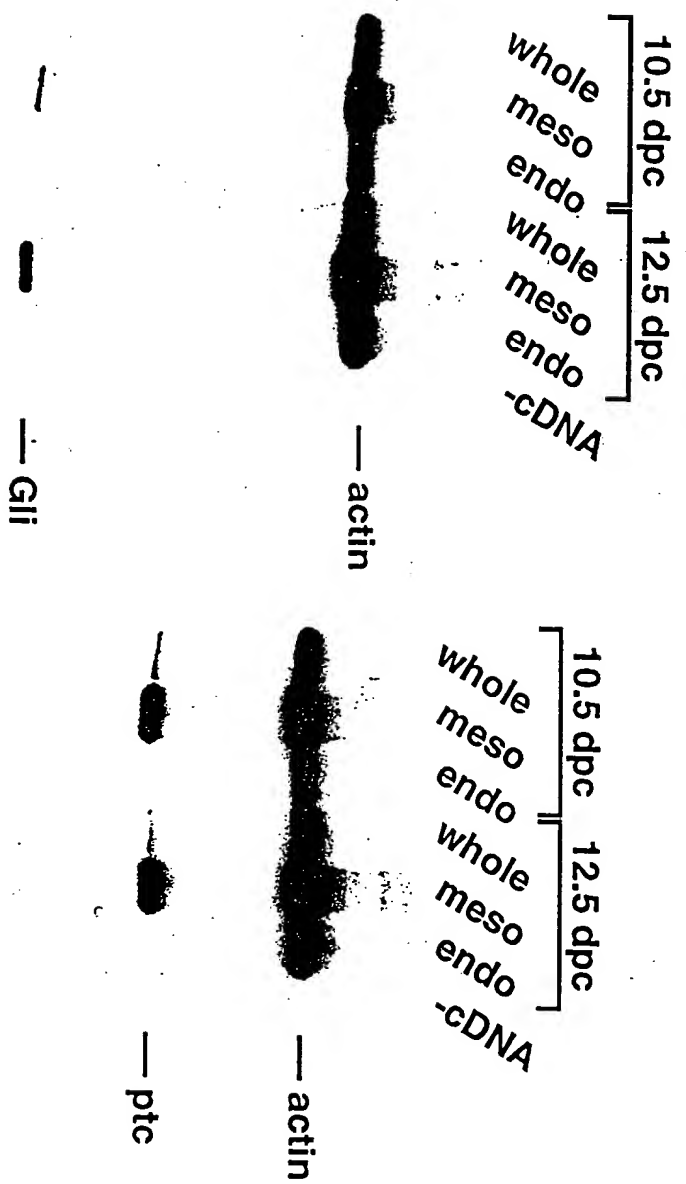
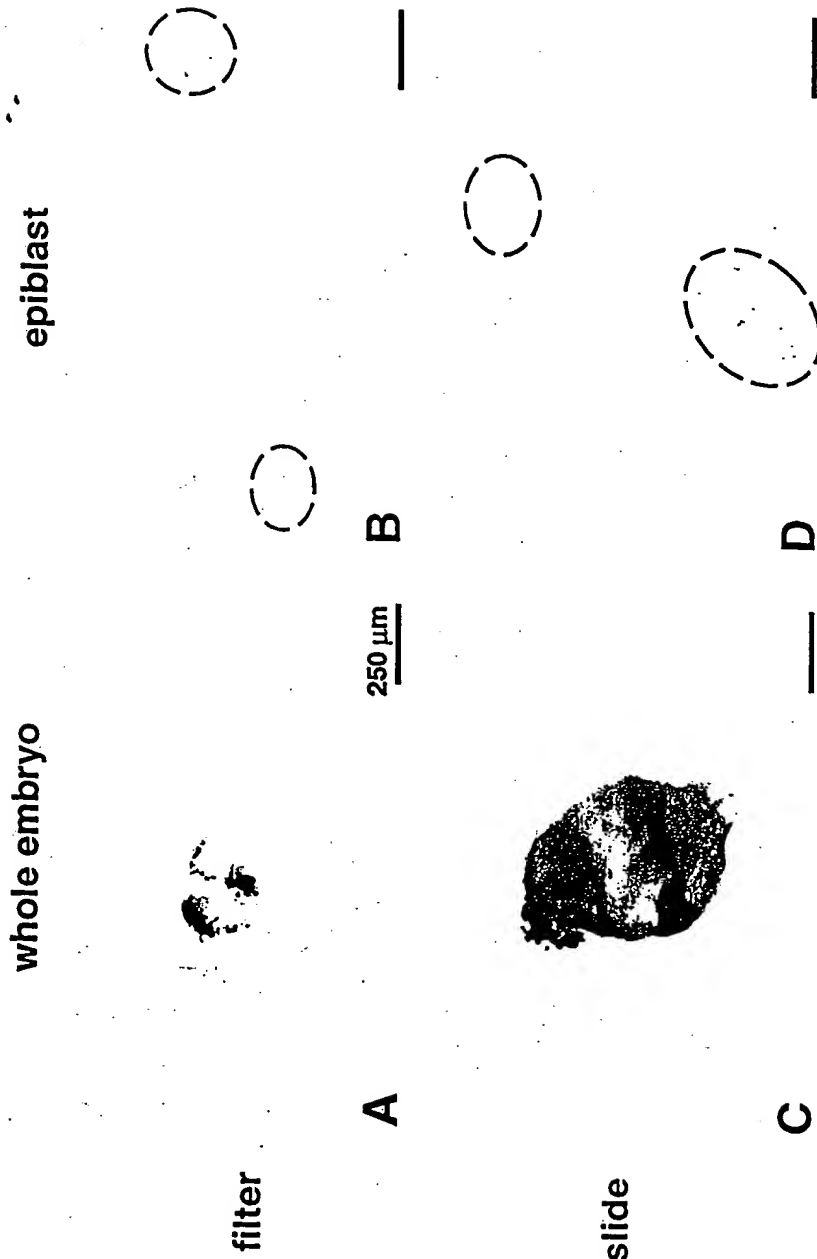


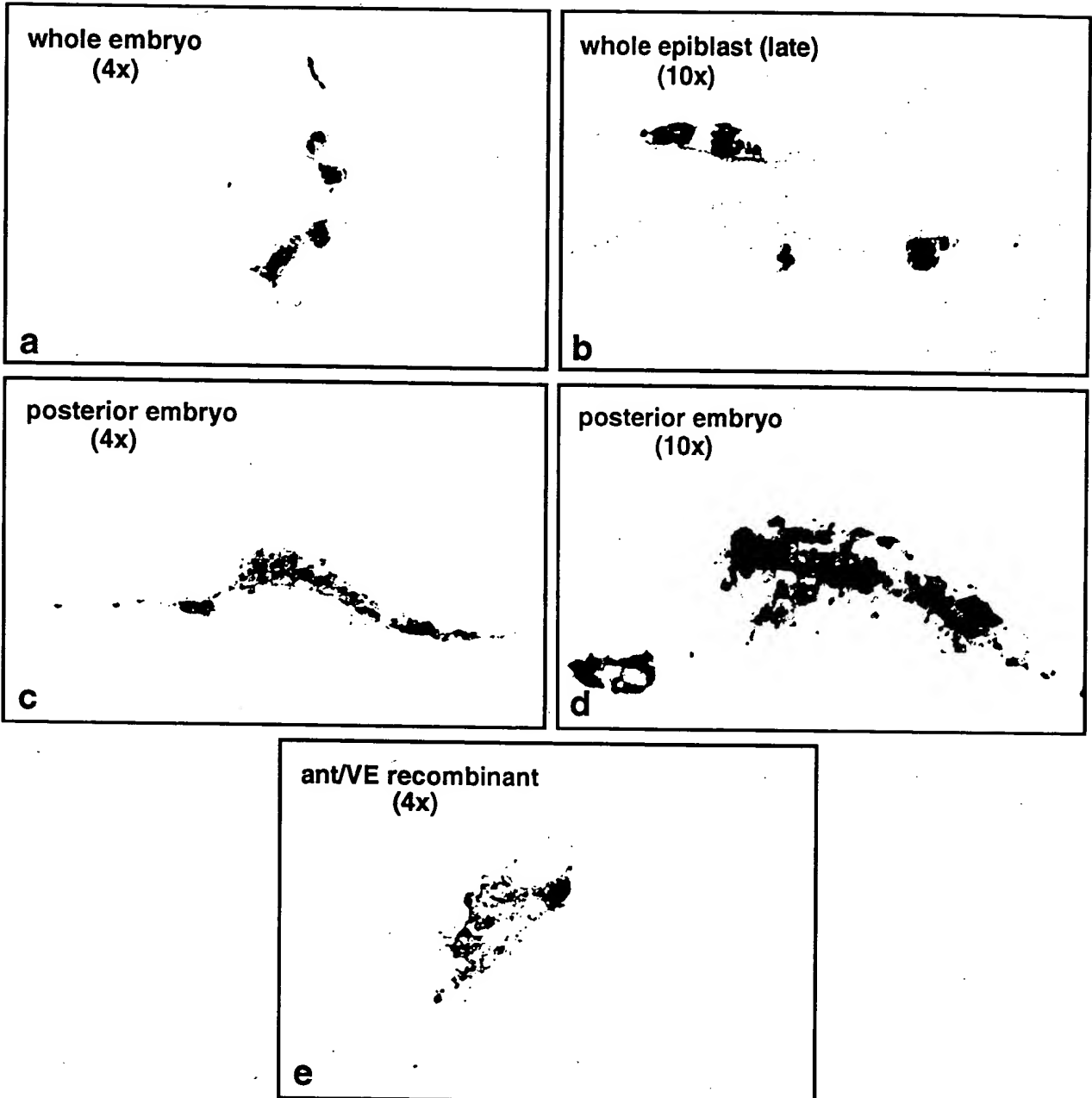
Fig 7

860F20" 099T2060

Transgenic Explants of Gastrulating Embryos Cultured on Filters or Glass Slides



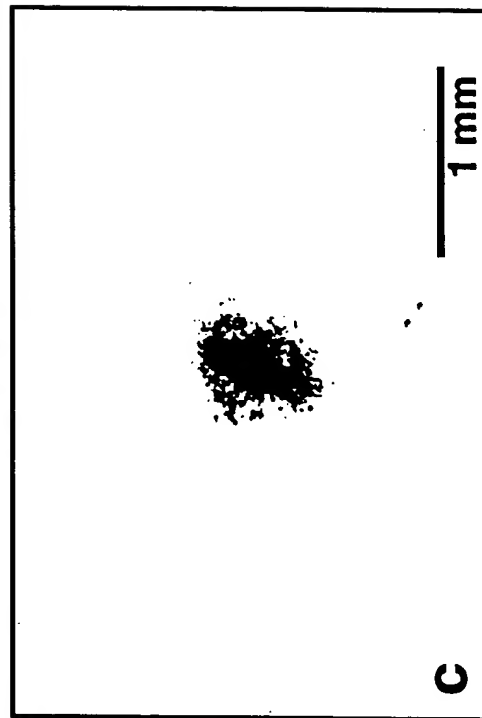
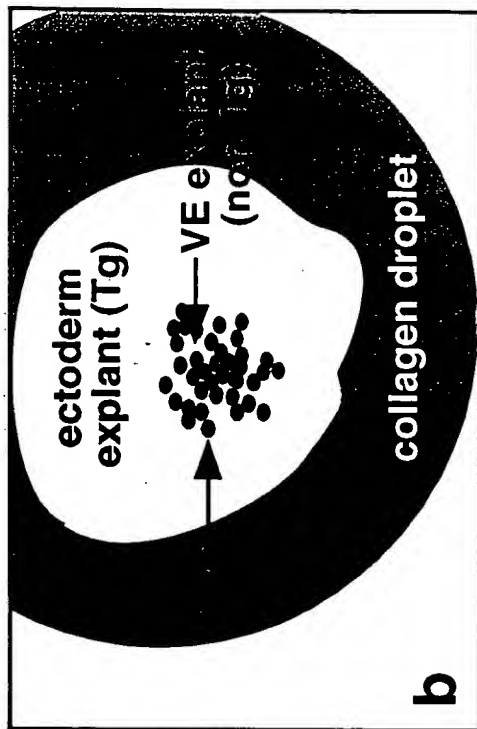
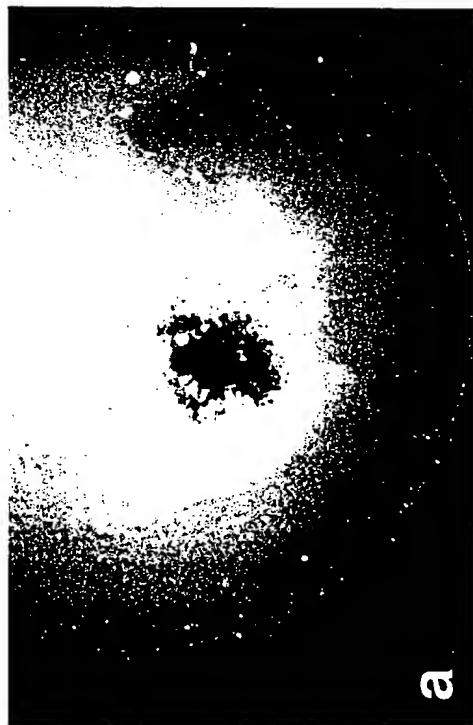
Blood formation in transgenic embryonic explant cultures



(frozen sections)

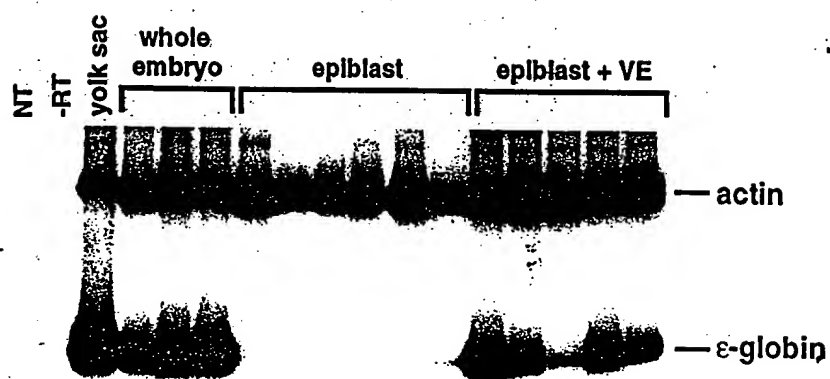
860720" 09972060

Induction of hematopoiesis by VE signals



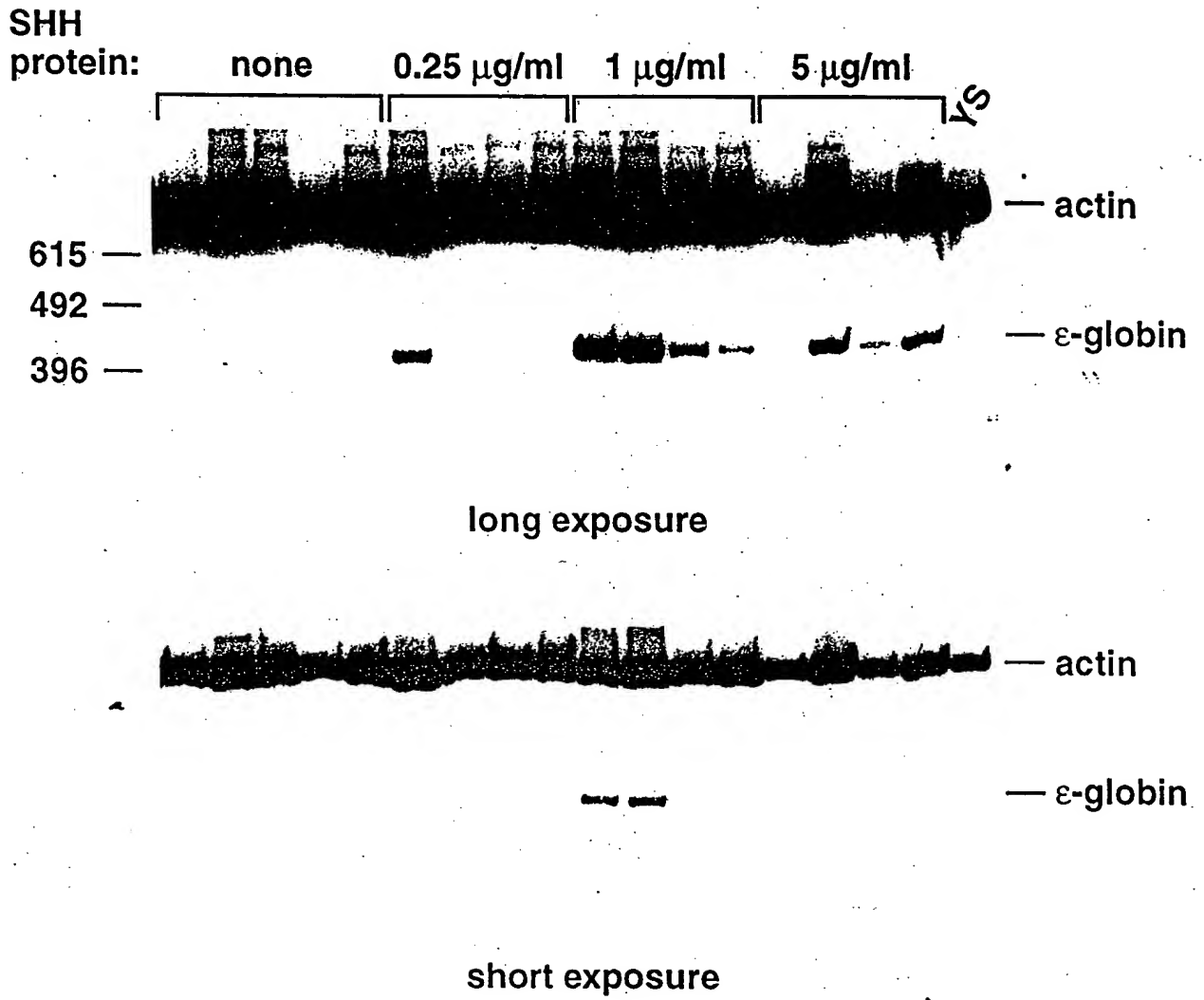
8-1

Fig 8-2



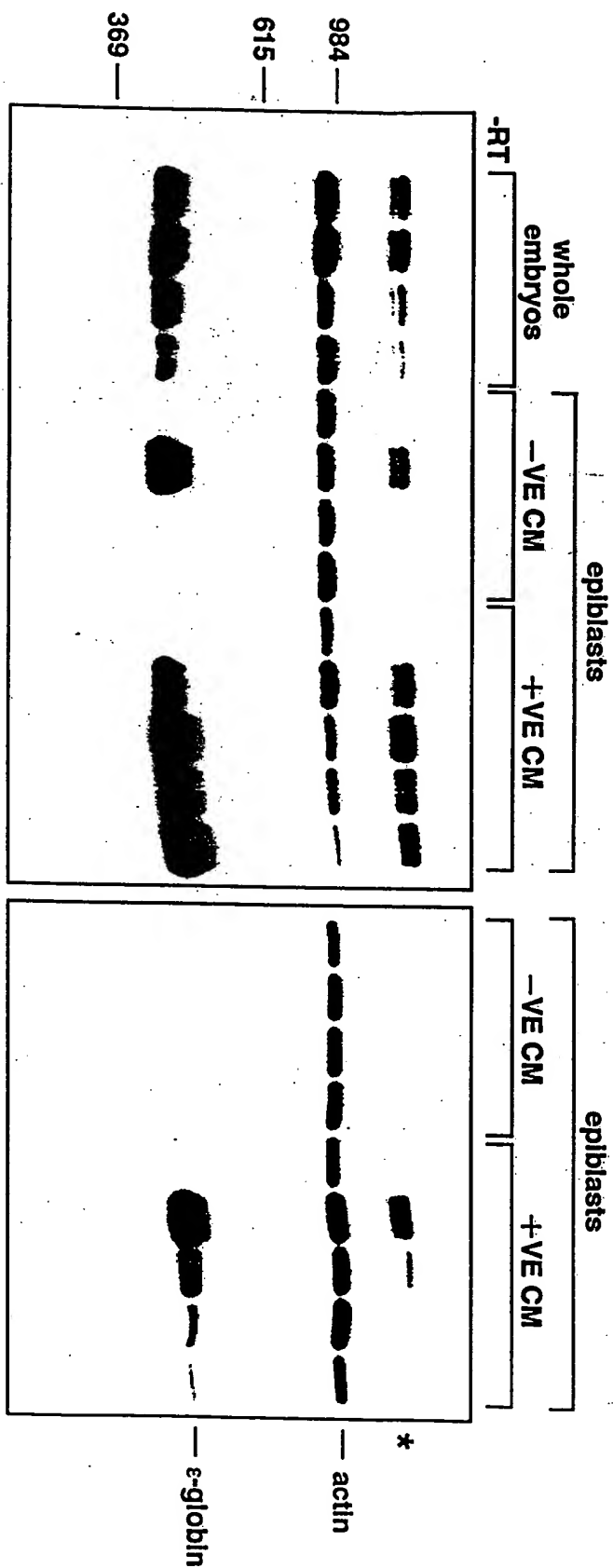
860T20" 099T2060

Fig 9



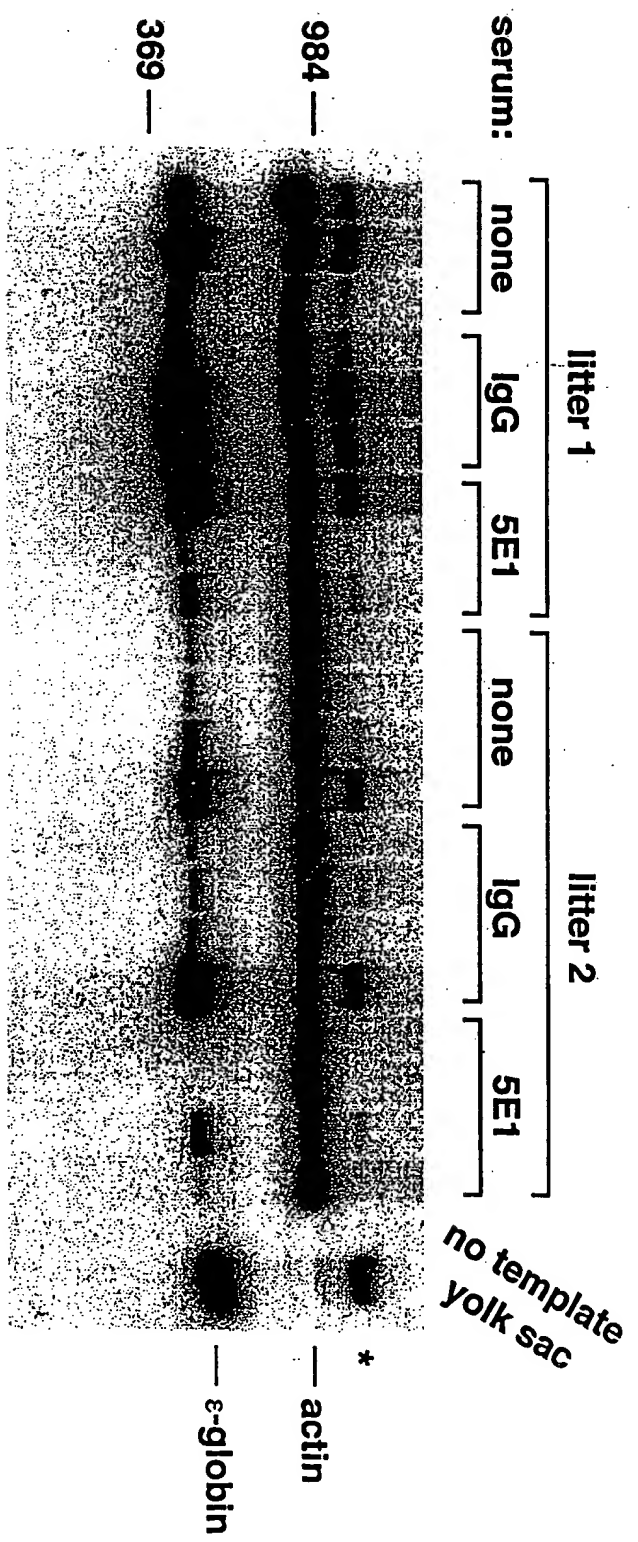
09021650-021098

Fig 10



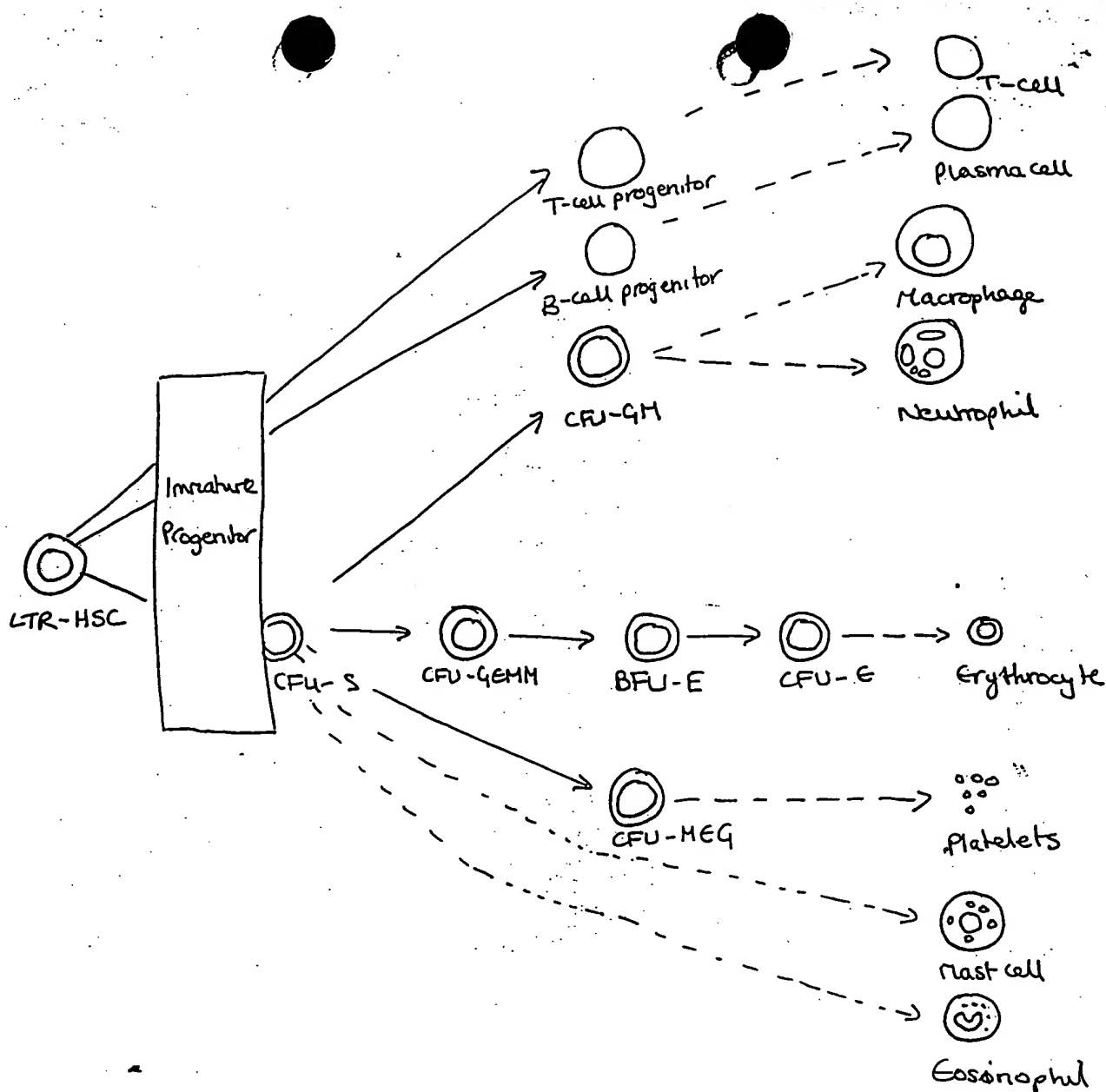
09021660.021098

Fig 101



09021660.021098

Fig 12



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Fig 13

860T20" 099T2060

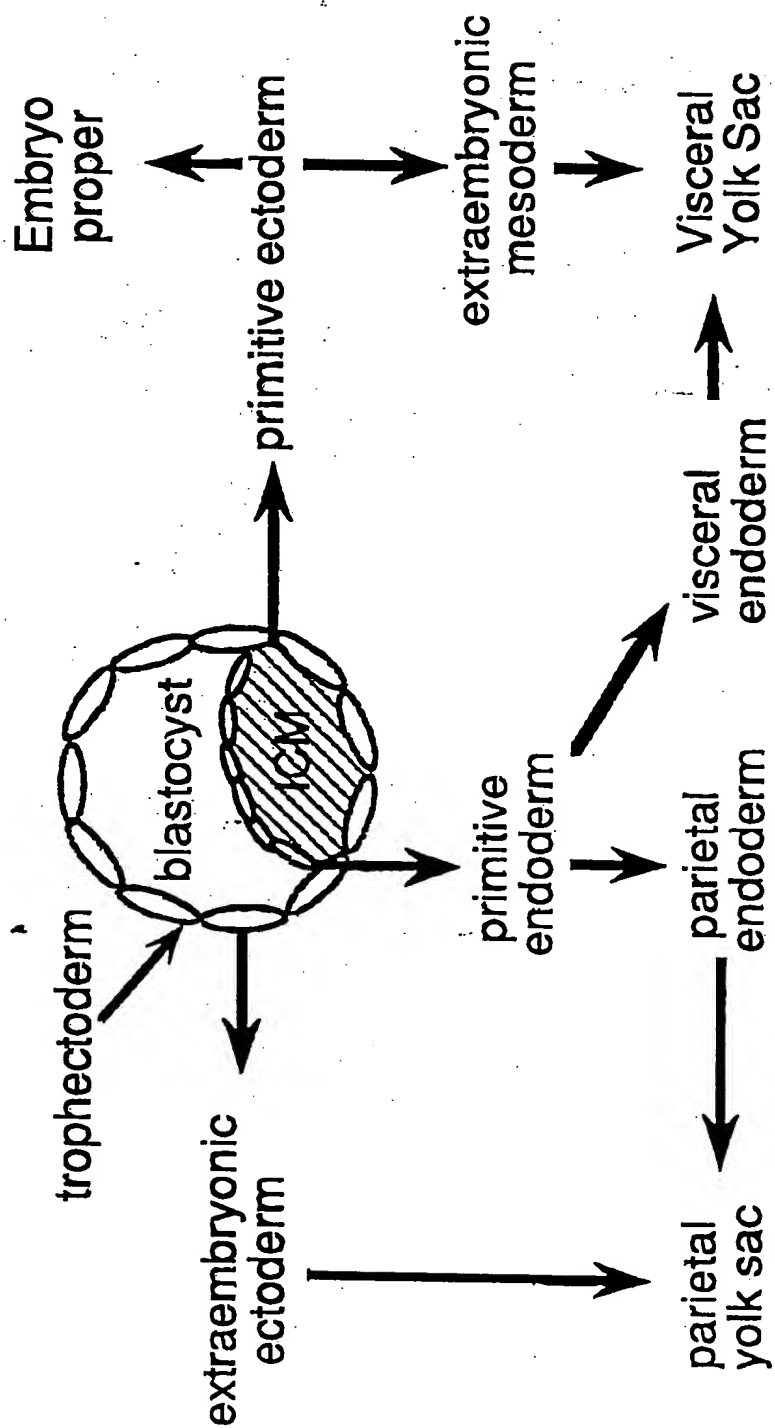
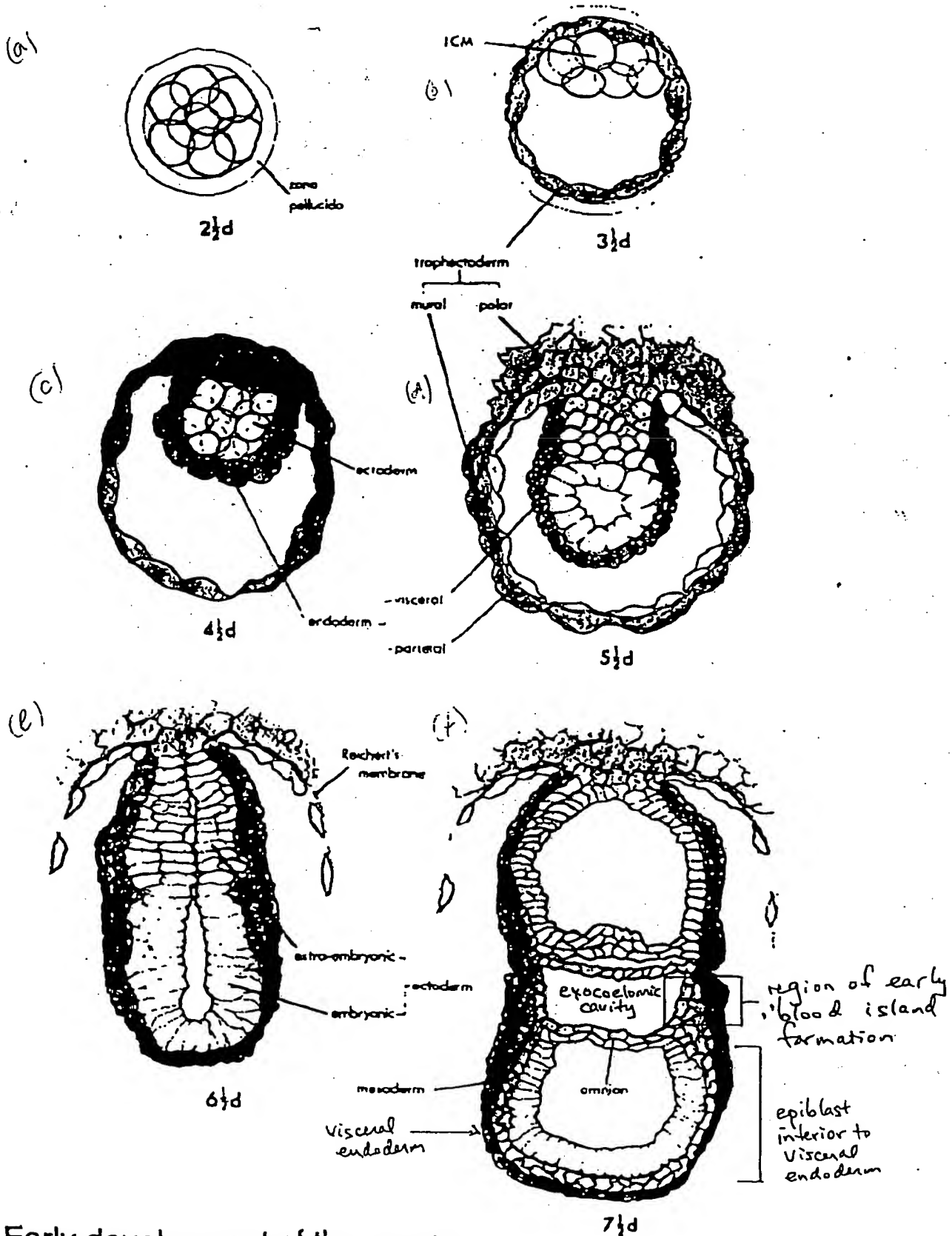
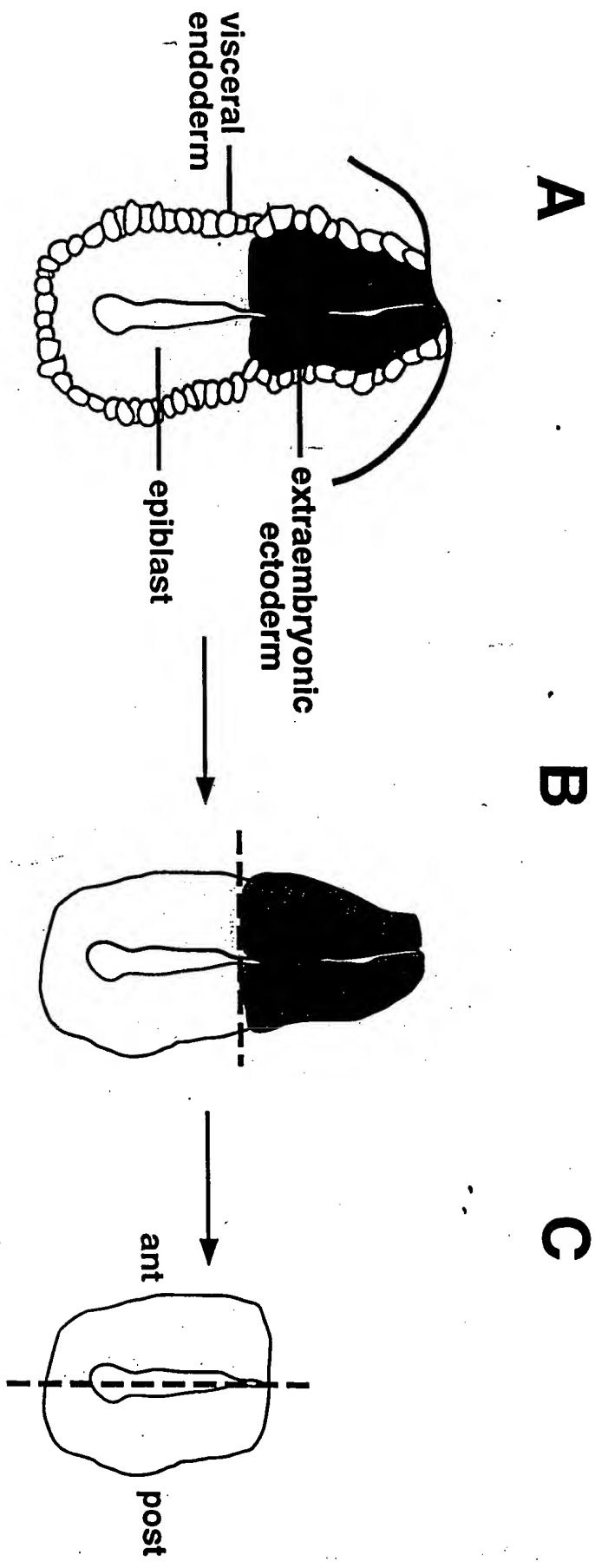


Fig 4



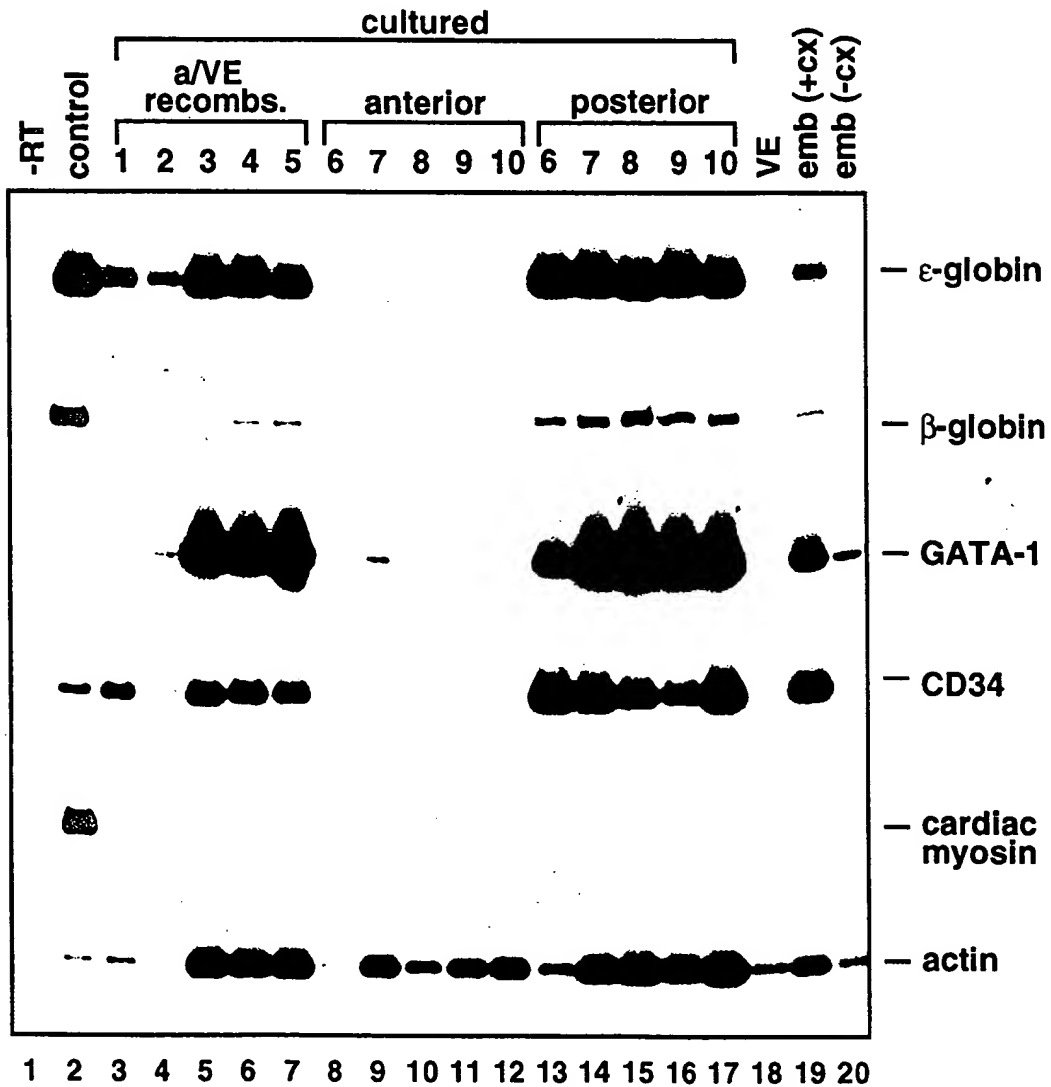
Early development of the mouse



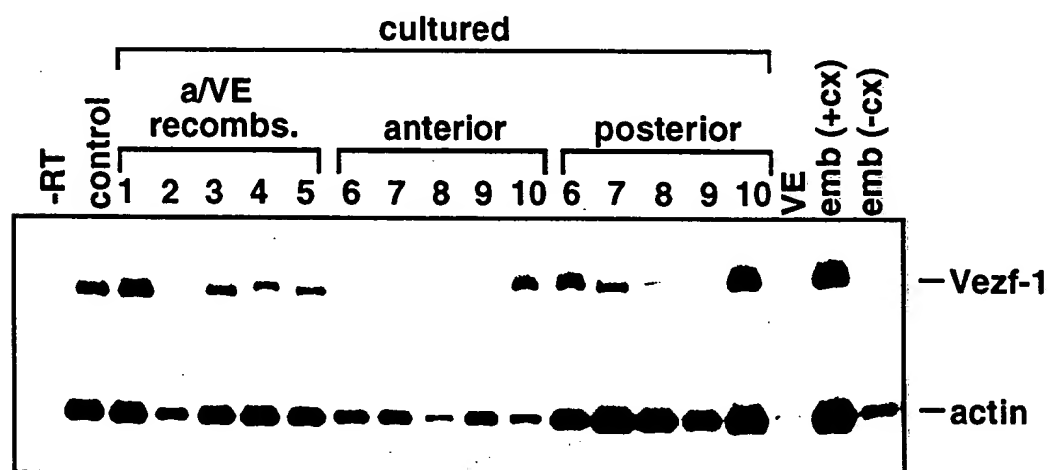
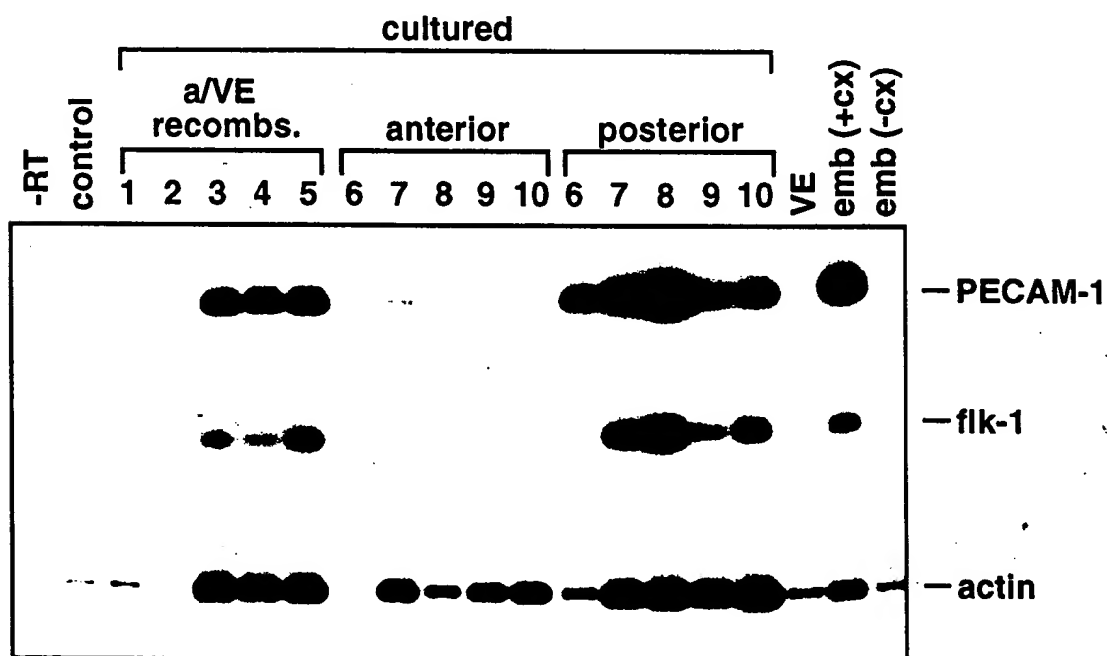
Separation of epiblast into anterior and posterior portions

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Activation of hematopoietic markers in recombinant embryo explant cultures



Activation of vascular endothelial cell markers in recombinant embryo explant cultures



Rescue of null mutant phenotype by BMP-4

	# containing hemoglobin	total # EBs	percent hemoglobinized
wt parental	225	260	86.5
mutant (- BMP-4)	2	50	4.0
mutant (+ BMP-4)	42	72	58.5

A

B

wt

mut (-BMP-4)

C

D

wt

mut (+BMP-4)

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